



**MIAMI-DADE COUNTY**  
**BUILDING CODE COMPLIANCE OFFICE (BCCO)**  
**PRODUCT CONTROL DIVISION**

**MIAMI-DADE COUNTY, FLORIDA**  
**METRO-DADE FLAGLER BUILDING**  
**140 WEST FLAGLER STREET, SUITE 1603**  
**MIAMI, FLORIDA 33130-1563**  
**(305) 375-2901 FAX (305) 372-6339**

## **NOTICE OF ACCEPTANCE (NOA)**

**[www.miamidadade.gov/buildingcode](http://www.miamidadade.gov/buildingcode)**

**La Finestra, L.C.**  
**2790 N.W. 104 Court**  
**Miami, FL 33172**

### **SCOPE:**

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Division (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division that this product or material fails to meet the requirements of the applicable building code. This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

### **DESCRIPTION: Series "EKU-53" Outswing Aluminum Casement Window - L.M.I.**

**APPROVAL DOCUMENT:** Drawing No. **FN-EKU53**, titled "EKU 53 Impact Windows High Load", sheets 1 through 10 of 10, the first sheet dated 03/16/10 and the rest dated 10/02/09, prepared by Bromley-Cook Engineering, Inc., signed and sealed by William D. Cook, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Division.

### **MISSILE IMPACT RATING: Large and Small Missile Impact Resistant**

**LABELING:** Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

**RENEWAL** of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

**TERMINATION** of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

**ADVERTISEMENT:** The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

**INSPECTION:** A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official. This NOA **revises** NOA # **08-1126.03** and consists of this page 1 and Evidence pages E-1, E-2 and E- 3, as well as approval document mentioned above.

The submitted documentation was reviewed by **Manuel Perez, P.E.**



**NOA No. 10-0511.01**  
**Expiration Date: February 27, 2013**  
**Approval Date: September 22, 2010**  
**Page 1**


NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

**A. DRAWINGS**

1. Manufacturer's die drawings and sections.
2. Drawing No. **FN-EKU53**, titled "EKU-53 Impact Windows High Load", sheets 1 through 10 of 10, first sheet dated 03/16/10 and the rest dated 10/02/09, prepared by Bromley-Cook Engineering, Inc., signed and sealed by William D. Cook, P.E.

**B. TESTS**

1. Test reports on: 1) Large Missile Impact Test per FBC, TAS 201-94  
2) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
along with marked-up drawings and installation diagram of a 10 ft. high, arch-top aluminum out-swinging doors, prepared by Hurricane Engineering & Testing, Inc., Test Report No. **HETI-10-3010**, dated 04/14/10, witnessed by Candido F. Font, P.E.
2. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94  
2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94  
3) Water Resistance Test, per FBC, TAS 202-94  
4) Forced Entry Test, per FBC 2411 3.2.1 and TAS 202-94  
along with marked-up drawings and installation diagram of a 10 ft. high, arch-top aluminum out-swinging doors, prepared by Hurricane Engineering & Testing, Inc., Test Report No. **HETI-10-3009**, dated 04/14/10, witnessed by Candido F. Font, P.E.
3. Test reports on: 1) Large Missile Impact Test per FBC, TAS 201-94  
2) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
along with marked-up drawings and installation diagram of a 10 ft. high aluminum out-swinging pair of doors, prepared by Hurricane Engineering & Testing, Inc., Test Report No. **HETI-10-3003**, dated 04/14/10, witnessed by Candido F. Font, P.E.
4. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94  
2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94  
3) Water Resistance Test, per FBC, TAS 202-94  
4) Forced Entry Test, per FBC 2411 3.2.1 and TAS 202-94  
along with marked-up drawings and installation diagram of a 10 ft. high aluminum out-swinging pair of doors, prepared by Hurricane Engineering & Testing, Inc., Test Report No. **HETI-10-3002**, dated 04/14/10, witnessed by Candido F. Font, P.E.
5. Test reports on: 1) Large Missile Impact Test per FBC, TAS 201-94  
2) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
along with marked-up drawings and installation diagram of a 10 ft. high aluminum out-swinging pair of doors, prepared by Hurricane Engineering & Testing, Inc., Test Report No. **HETI-09-2677**, dated 04/14/10, witnessed by Candido F. Font, P.E.

  
Manuel Perez, P.E.  
Product Control Examiner  
NOA No. 10-0511.01  
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6. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94  
2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94  
3) Water Resistance Test, per FBC, TAS 202-94  
4) Forced Entry Test, per FBC 2411 3.2.1 and TAS 202-94  
along with marked-up drawings and installation diagram of a 10 ft. high aluminum out-swinging pair of doors, prepared by Hurricane Engineering & Testing, Inc., Test Report No. **HETI-09-2676**, dated 04/14/10, witnessed by Candido F. Font, P.E.
7. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94  
2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94  
3) Water Resistance Test, per FBC, TAS 202-94  
4) Large Missile Impact Test per FBC, TAS 201-94  
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
6) Forced Entry Test, per FBC 2411 3.2.1 and TAS 202-94  
along with marked-up drawings and installation diagram of an Aluminum Out-Swinging Entrance Door, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-4531**, dated 06/01/05, witnessed by Edmundo Largaespada, P.E.  
**(Submitted under NOA # 05-0725.03)**
8. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94  
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94  
3) Water Resistance Test, per FBC, TAS 202-94  
4) Forced Entry Test, per FBC 2411 3.2.1 and TAS 202-94  
along with marked-up drawings and installation diagram of an out swing wood door, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-3881**, dated 08/23/04, witnessed by Edmundo Largaespada, P.E.  
**(Submitted under NOA # 05-0203.02)**

**C. CALCULATIONS**


1. Anchor verification calculations and structural analysis, complying with FBC-2007, dated 04/26/10 and revised on 08/19/10, prepared by Bromley-Cook Engineering, Inc, signed and sealed by William D. Cook, P.E.  
**Complies with ASTM E1300 -04**

**D. QUALITY ASSURANCE**

1. Miami Dade Building Code Compliance Office (BCCO).

**E. MATERIAL CERTIFICATIONS**

1. Notice of Acceptance No. **05-1208.02** issued to **E.I. DuPont DeNemours & Co., Inc.** for their "**DuPont Butacite PVB Interlayer**" dated 01/05/06, expiring on 12/11/10.

  
Manuel Perez, P.E.  
Product Control Examiner  
NOA No. 10-0511.01  
Expiration Date: February 27, 2013  
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**F. STATEMENTS**

1. Statement letter of conformance, dated April 26, 2010, signed and sealed by William D. Cook, P.E.
2. Statement letter of no financial interest, dated April 26, 2010, signed and sealed by William D. Cook, P.E.
3. Laboratory compliance letter for Test Report No. **FTL- 4531**, issued by Fenestration Testing Laboratory, Inc., dated July 11, 2005, signed and sealed by Edmundo Largaespada, P.E. *(Submitted under NOA # 05-0725.03)*
4. Laboratory compliance letter for Test Report No. **FTL- 3881**, issued by Fenestration Testing Laboratory, Inc., dated October 18, 2004, signed and sealed by Edmundo Largaespada, P.E. *(Submitted under NOA # 05-0203.02)*

**G. OTHERS**

1. Notice of Acceptance No. **08-1126.03**, issued to La Finestra, L.C. for their Series "EKU-53" Outswing Aluminum Casement Window – L.M.I., approved on 05/20/09 and expiring on 02/27/13.



Manuel Perez, P.E.  
Product Control Examiner  
NOA No. 10-0511.01

Expiration Date: February 27, 2013  
Approval Date: September 22, 2010

LA FINESTRA, LC

# SERIES: EKU 53 OUTSWING CASEMENT WINDOW (HIGH LOAD)

GLASS CHART		
GLASS TYPE	MAXIMUM D.L.O.	MAX DESIGN LOAD
GL-1	30" W x 87" H	+110.0/-110.0 PSF
	27" W x 110" H	+80.0/-80.0 PSF
GL-2	27" W x 110" H	+80.0/-80.0 PSF

## GLASS SCHEDULE LARGE MISSILE IMPACT RESISTANT

GL-1 = 7/16" (.454") LAMINATED  
3/16" (.182") HS -.090" P.V.B.  
INTERLAYER (DUPONT BUTACITE) -  
3/16" HEAT STRENGTHENED

GL-2 = 1-1/4" INSULATED  
3/16" (.182") HS -.090" P.V.B. 3/16" HS  
1/2" AIR GAP  
3/16" TEMPERED

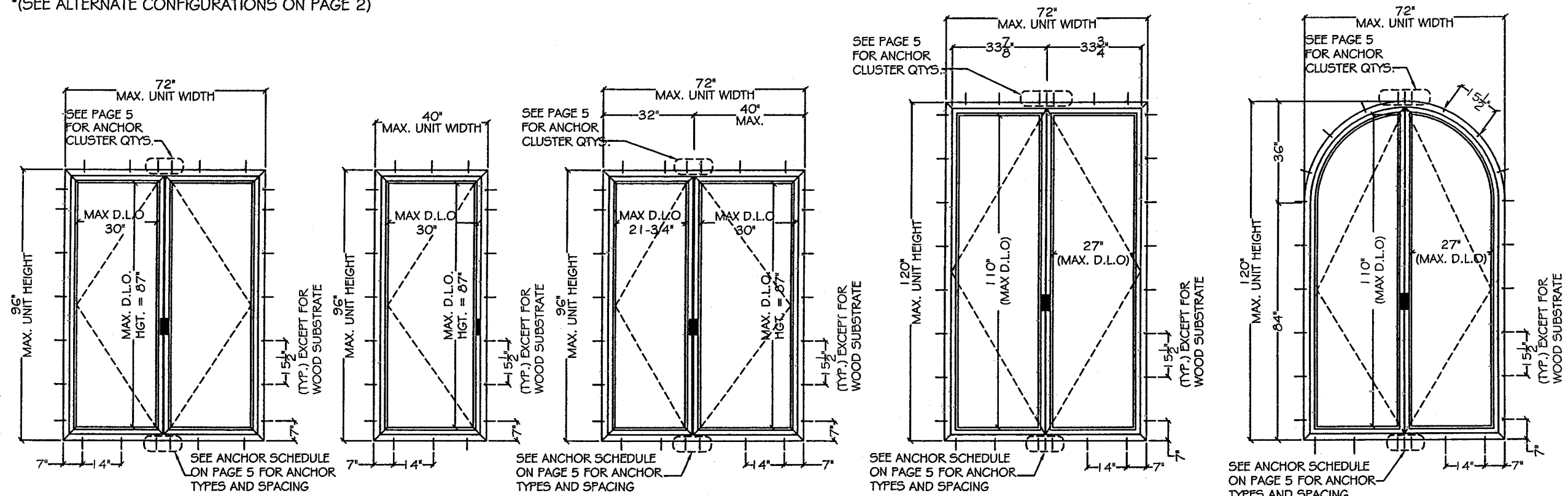
MAX PANEL WIDTH  
DLO + 9" FOR DIE # 16012 (#2)  
DLO + 7.62" FOR DIE # 16013 (#2A)  
MAX PANEL HEIGHT  
DLO + 9" FOR DIE # 16012 (#2)  
DLO + 7.62" FOR DIE # 16013 (#2A)

WATER INFILTRATION TEST PRESSURE  
- WINDOWS UP TO 96" TALL: 16.5 PSF  
- WINDOWS UP TO 120" TALL: 12 PSF  
WITH STANDRAD THRESHOLD

## TYPICAL CONFIGURATIONS

MAX. WINDOW SIZES SHOWN

MULTIPLE UNITS STACKED SIDE BY SIDE  
MUST HAVE APPROVED MULLIONS BETWEEN EACH DOOR FRAME  
(SEE ALTERNATE CONFIGURATIONS ON PAGE 2)

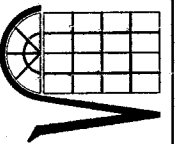


### NOTES:

1. THIS SYSTEM HAS BEEN DESIGNED TO COMPLY WITH THE REQUIREMENTS OF THE HIGH VELOCITY HURRICANE ZONE AS DESCRIBED IN THE "2007 FLORIDA BUILDING CODE"
2. THIS WINDOW SYSTEM HAS BEEN TESTED, ENGINEERED AND APPROVED FOR DESIGN PRESSURES NOT TO EXCEED THOSE SHOWN IN SCHEDULE.
3. BUCK, OPENINGS & BUCK FASTENERS MUST BE DESIGNED & INSTALLED TO WITHSTAND WIND LOADS FOR EACH APPLICATION. THE DESIGN & ENGINEERING OF BUCKS SHALL BE PROVIDED BY "THE ENGINEER OF RECORD"
4. BUCK FASTENERS MAY NOT EXCEED 16" O.C. SPACING AROUND OPENINGS.
5. THE SYSTEM SHOWN HEREIN WAS TESTED FOR WATER, AIR, IMPACT, CYCLIC & UNIFORM STATIC AIR PRESSURE TESTING IN CONFORMANCE WITH DADE COUNTY PROTOCOLS TAS-201, 202 & 203.
6. ONE-THIRD INCREASE IN ALLOWABLE MATERIAL STRESS LIMITS FOR SHORT DURATION WIND LOAD NOT USED IN THE DESIGN CALCULATIONS. EXCEPT 1.6 WINDLOAD FACTOR FOR WOOD.

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 10-0511.01  
Expiration Date: FEB 27, 2013  
By: *Manuel Perez*  
Miami/Dade Product Control  
Division

LA FINESTRA, L.C.  
ITALIAN WINDOWS & DOORS  
2790 Northwest 104th Court  
Miami, FL 33172-2175  
Phone (305) 599-8093  
Fax (305) 592-4671



BROMLEY & COOK ENGINEERING, INC.  
STRUCTURAL ENGINEERING SERVICES  
5409 S.W. 33RD AVENUE, SUITE 200  
FORT LAUDERDALE, FL 33309  
AUG 27 2013  
WILLIAM D. COOK, P.E. #43084  
SI. #2008

STATE OF FLORIDA  
PROFESSIONAL ENGINEER

EKU-53  
IMPACT WINDOWS

PRODUCT:

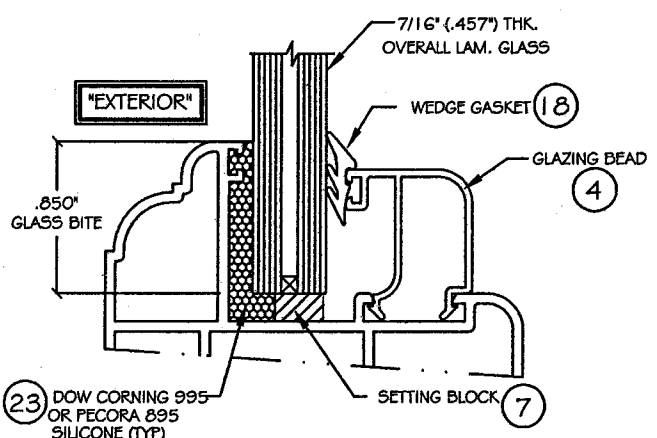
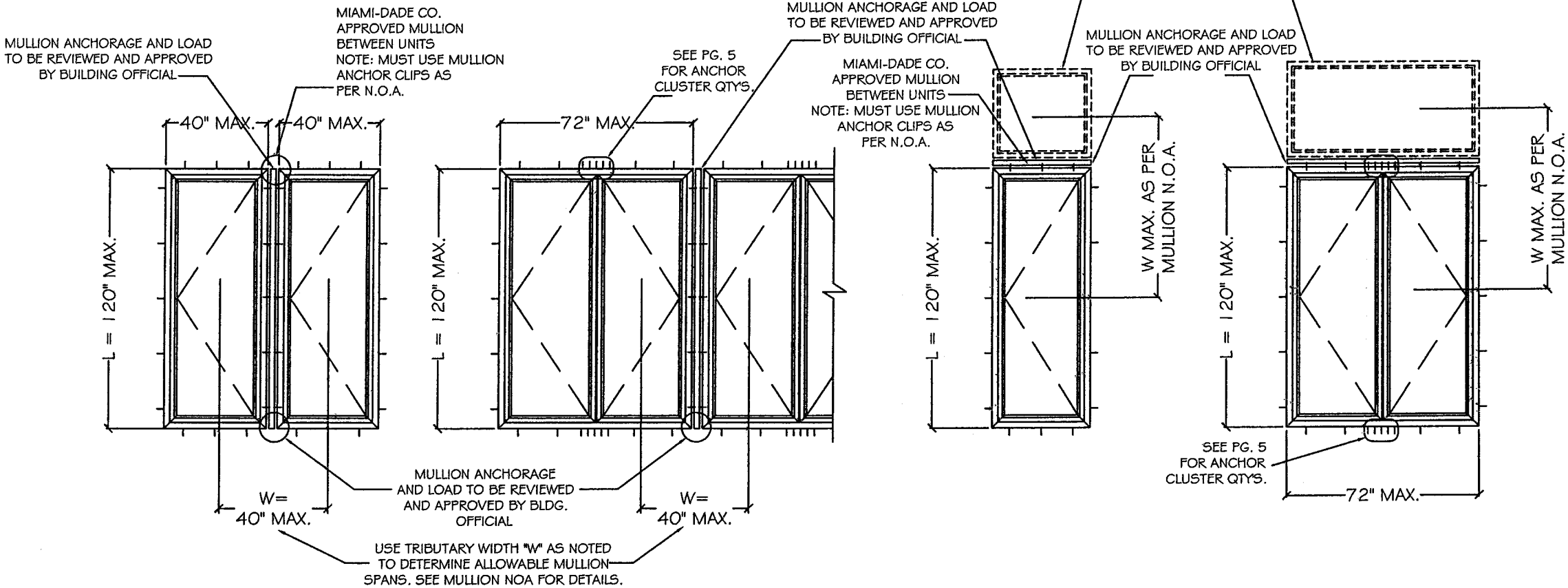
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SCALE: NTS.  
DWG. BY: LA FIN  
CHK. BY:

DRAWING No.:  
FN-EKU53

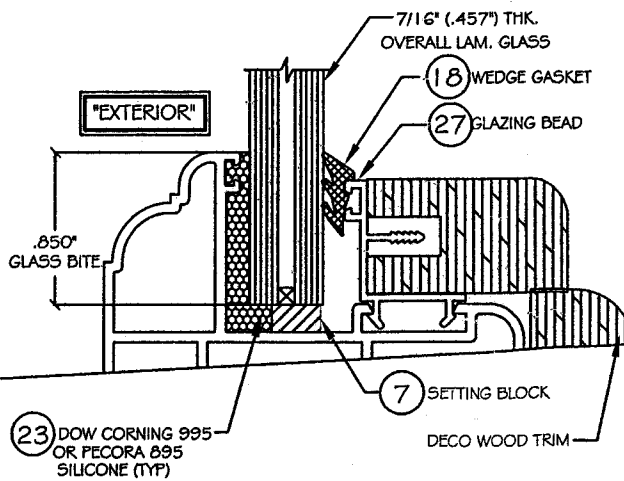
SHEET: 1 OF 10

ALTERNATE CONFIGURATIONS

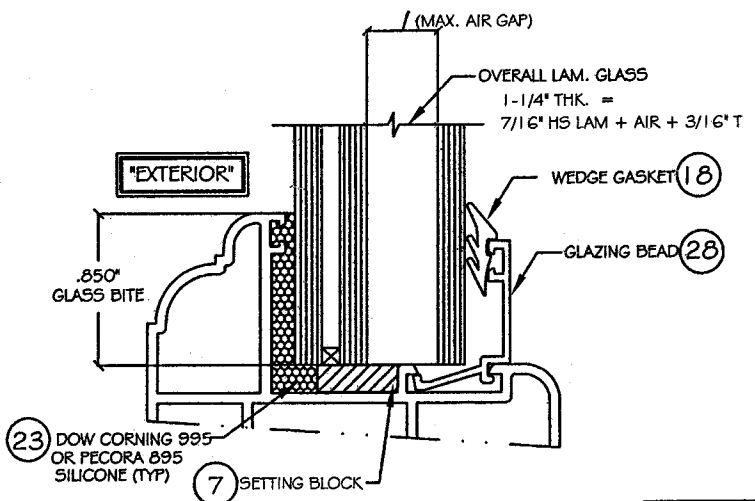
UNITS MAY BE INSTALLED WITH A MIAMI-DADE COUNTY APPROVED MULLION BETWEEN EACH WINDOW AND/OR FRAME. THE LOWEST DESIGN PRESSURE FOR THE WINDOW, TRANSOM OR MULLION WILL CONTROL.



GLAZING DETAIL GL-1  
SCALE: NTS.  
MAX D.P. = +110 / -110 PSF



GLAZING DETAIL GL-1 (WITH WOOD TRIM)  
SCALE: NTS.  
MAX D.P. = +80 / -80 PSF



GLAZING DETAIL GL-2  
SCALE: NTS. MAX D.P. = +80 / -80 PSF

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Miami Dade Product Control  
Division

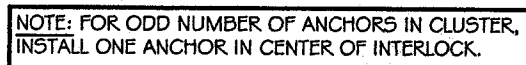
LA FINESTRA, L.C.  
ITALIAN WINDOWS & DOORS  
2790 Northwest 104th Court  
Miami, FL 33172-2175  
Phone (305) 599-8093  
Fax (305) 592-4671

BROOKLYN ENGINEERING, INC.  
STRUCTURAL ENGINEERING SERVICES  
5446 N.W. 33RD AVENUE, SUITE 100  
FORT LAUDERDALE, FL 33309  
AUG 27 2010  
WILLIAM D. COOK P.E. #43902  
FLORIDA PROFESSIONAL ENGINEER

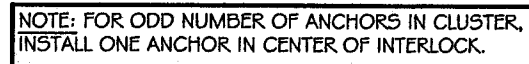
PRODUCT:  
EKU-53  
IMPACT WINDOWS

DATE: 10/02/2009  
SCALE: 3/8" = 1'-0"  
DWG. BY: LA FIN  
CHK. BY:  
DRAWING No.:  
FN-EKU53  
SHEET: 2 OF 10

**LA FINESTRA, L.C.**  
ITALIAN WINDOWS & DOORS  
2790 Northwest 104th Court  
Miami, FL 33172-2175  
Phone (305) 599-8093  
Fax (305) 592-4671



MAX. EXCEPT FOR  
WOOD SUBSTRATE  
(SEE ANCHOR SCHEDULE PG. 5)



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By Manuel Perez  
Miami Dade Product Control  
Division

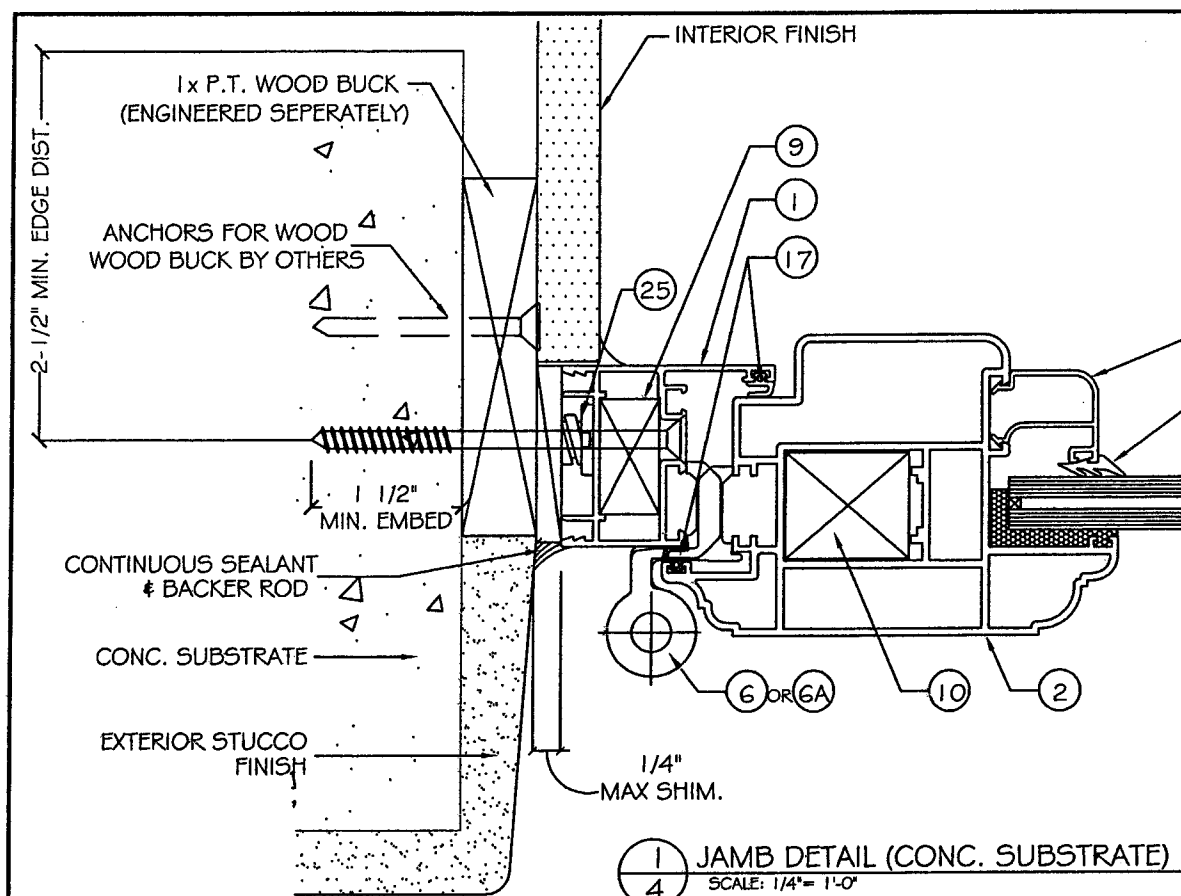
**PRODUCT:**

# EKU-53 IMPACT WINDOWS

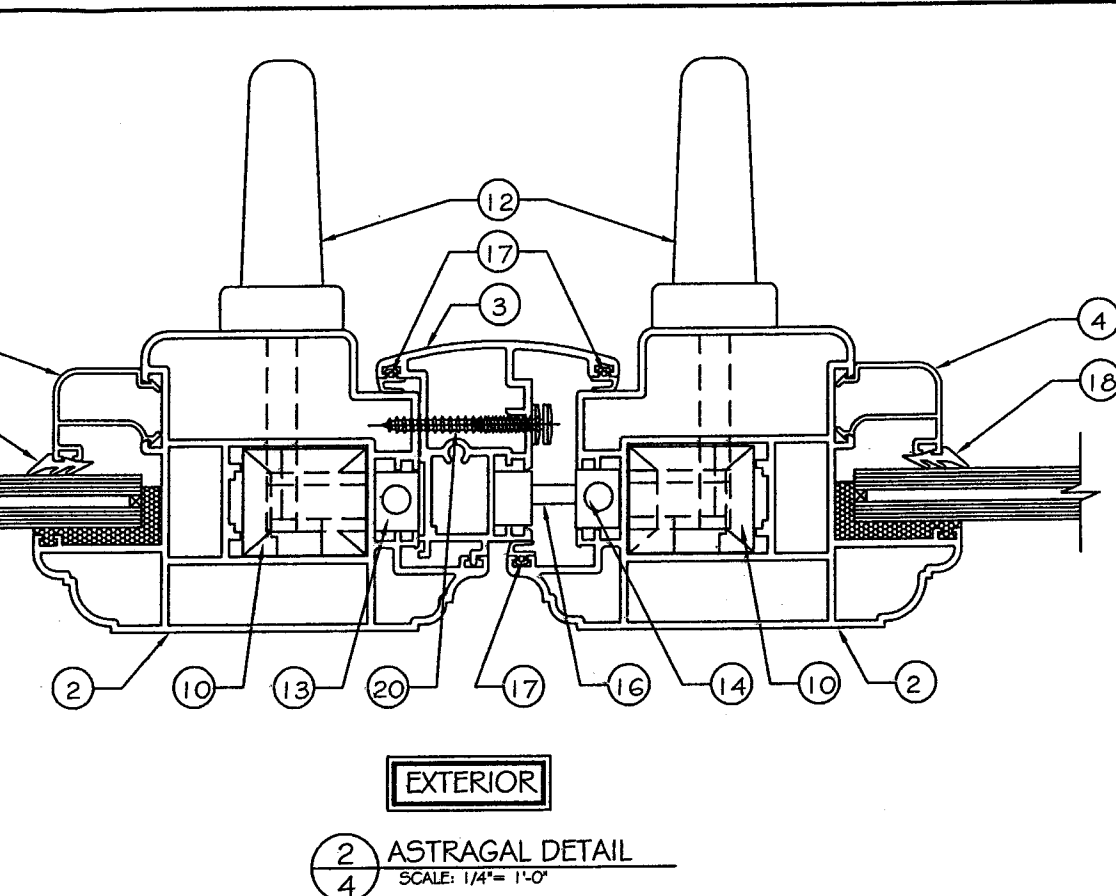
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 SCALE: 1/2" = 1'-0"  
 DWG. BY: LA FIN  
 CHK. BY:

DRAWING No.:  
 FN-EKU53

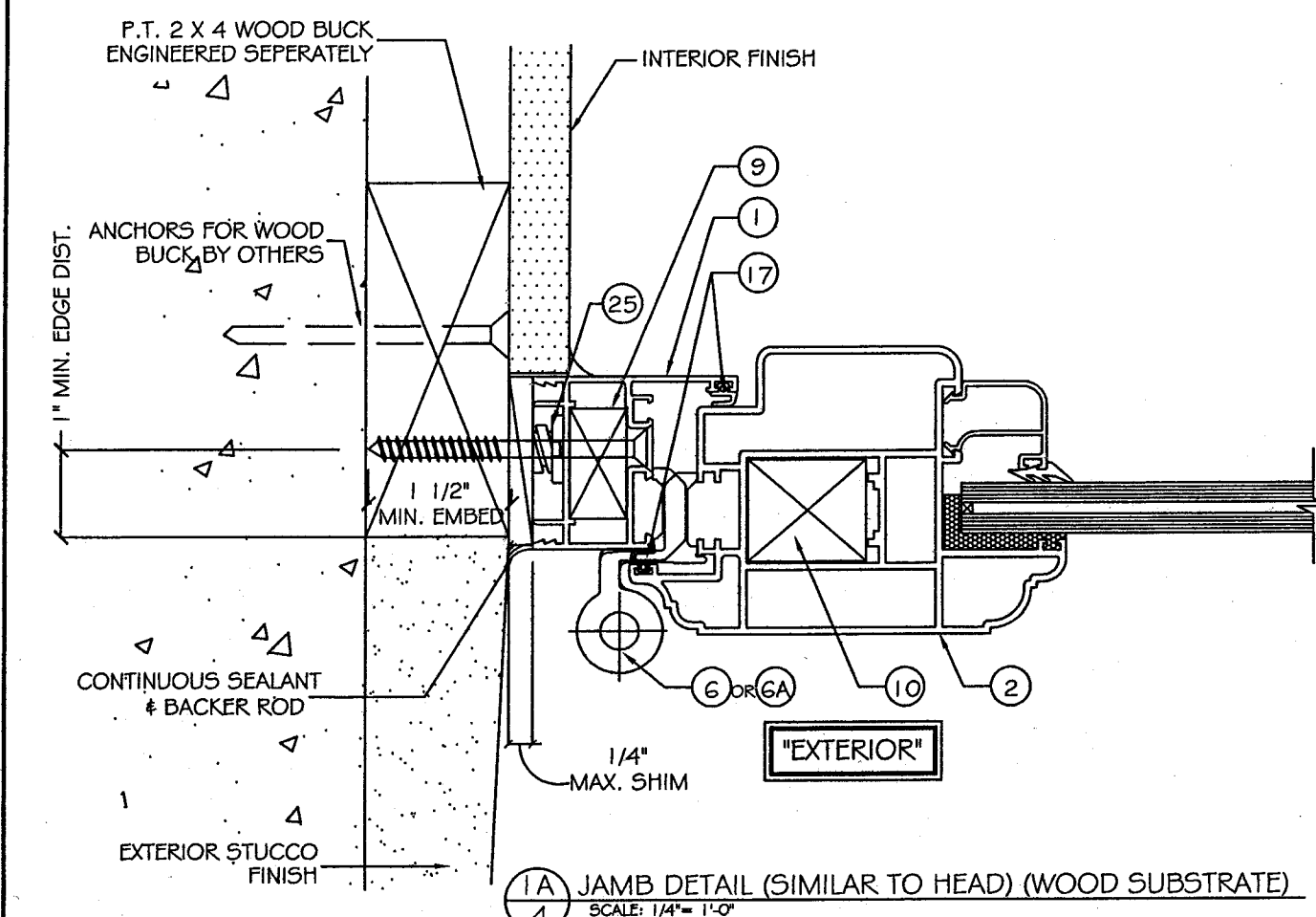
SHEET: 3 OF 10



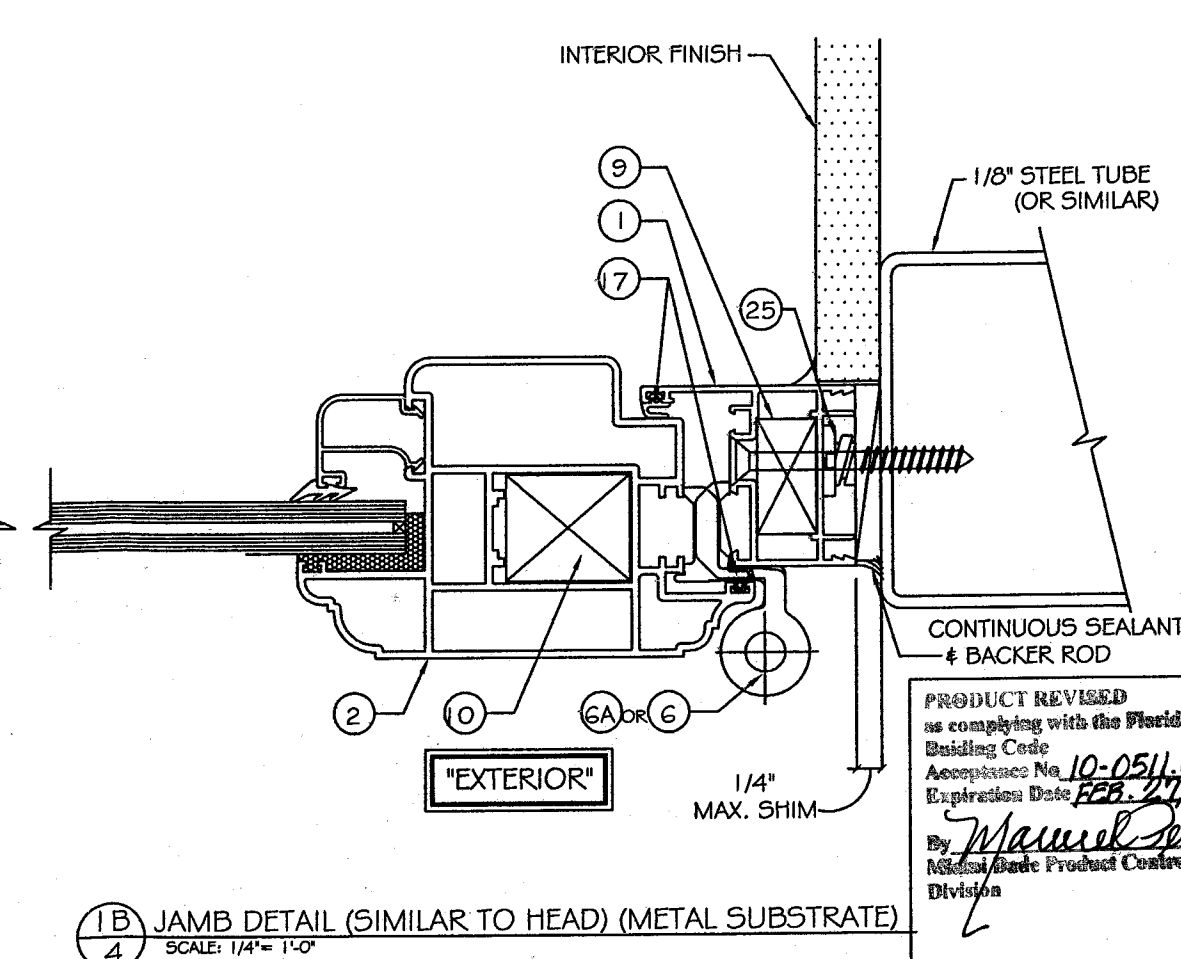
1 JAMB DETAIL (CONC. SUBSTRATE)  
4 SCALE: 1/4" = 1'-0"



2 ASTRAGAL DETAIL  
4 SCALE: 1/4" = 1'-0"



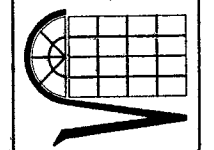
1A JAMB DETAIL (SIMILAR TO HEAD) (WOOD SUBSTRATE)  
4 SCALE: 1/4" = 1'-0"



1B JAMB DETAIL (SIMILAR TO HEAD) (METAL SUBSTRATE)  
4 SCALE: 1/4" = 1'-0"

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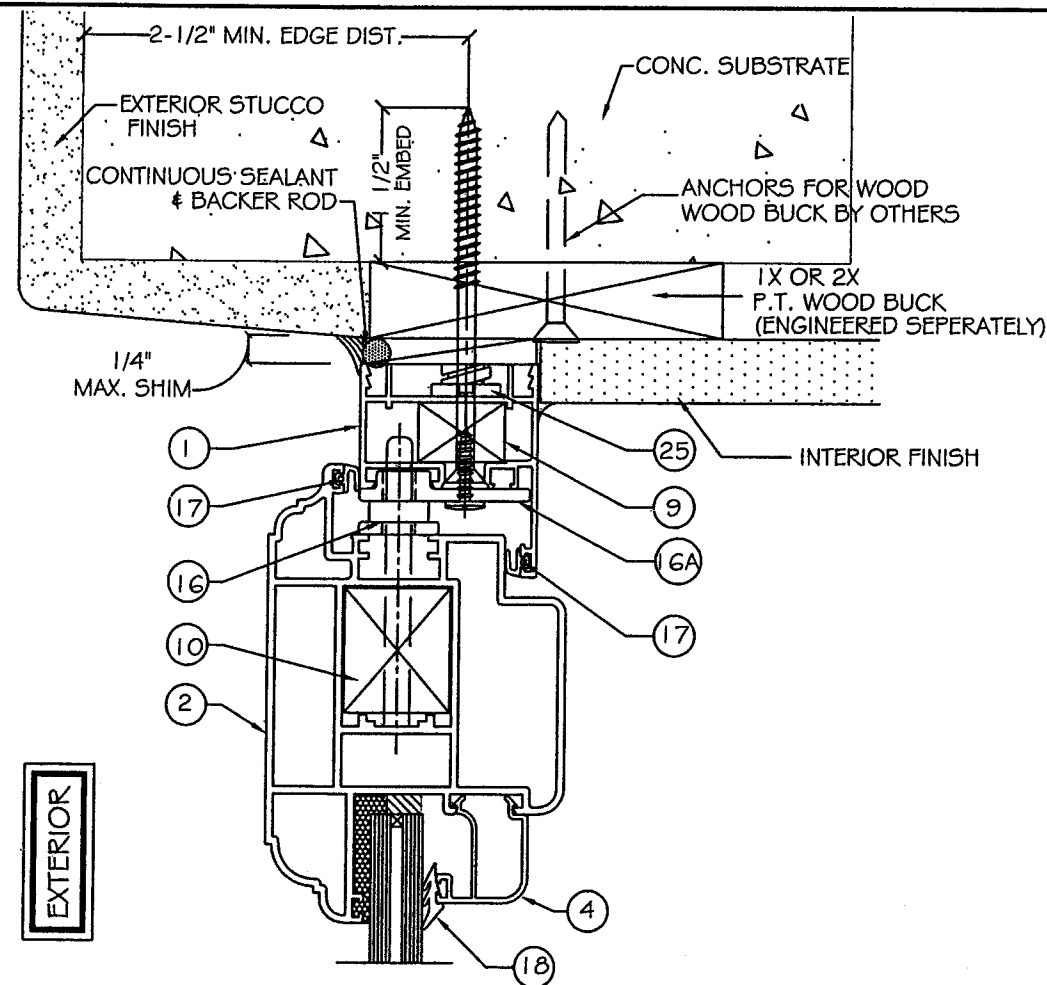


BROMLEY-CROOK ENGINEERING, INC.  
STRUCTURAL ENGINEERING SERVICES  
5440 N.W. 43RD AVENUE, SUITE 100  
FORT LAUDERDALE, FL 33309  
AUG 27 2018  
WILLIAM D. CROOK, P.E. #43904  
STATE OF FLORIDA

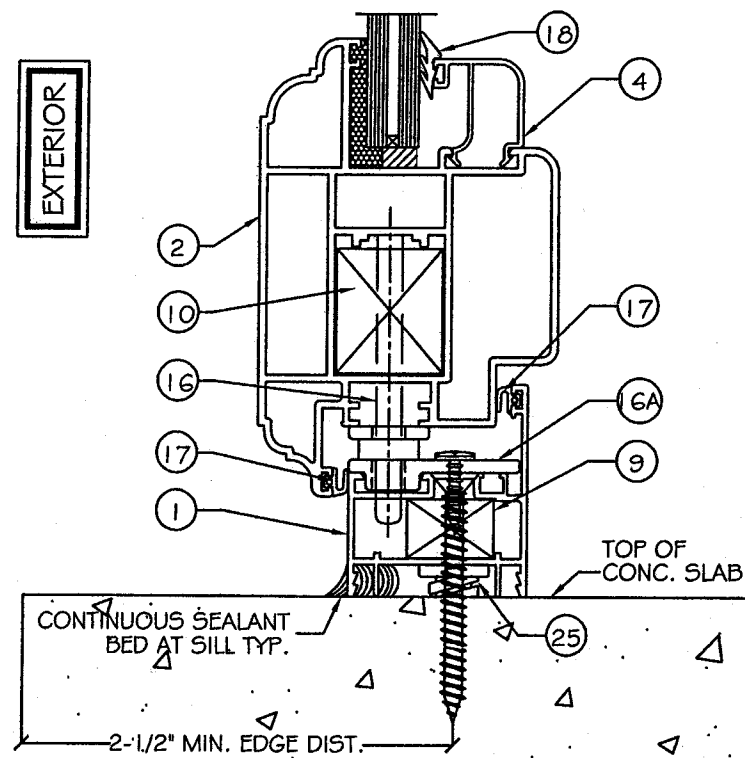
PRODUCT:  
EKU-53  
IMPACT WINDOWS

DATE: 10/02/2009  
SCALE: AS NOTED  
DWG. BY: LA FIN  
CHK. BY:  
DRAWING No.:  
FN-EKU53  
SHEET: 4 OF 10

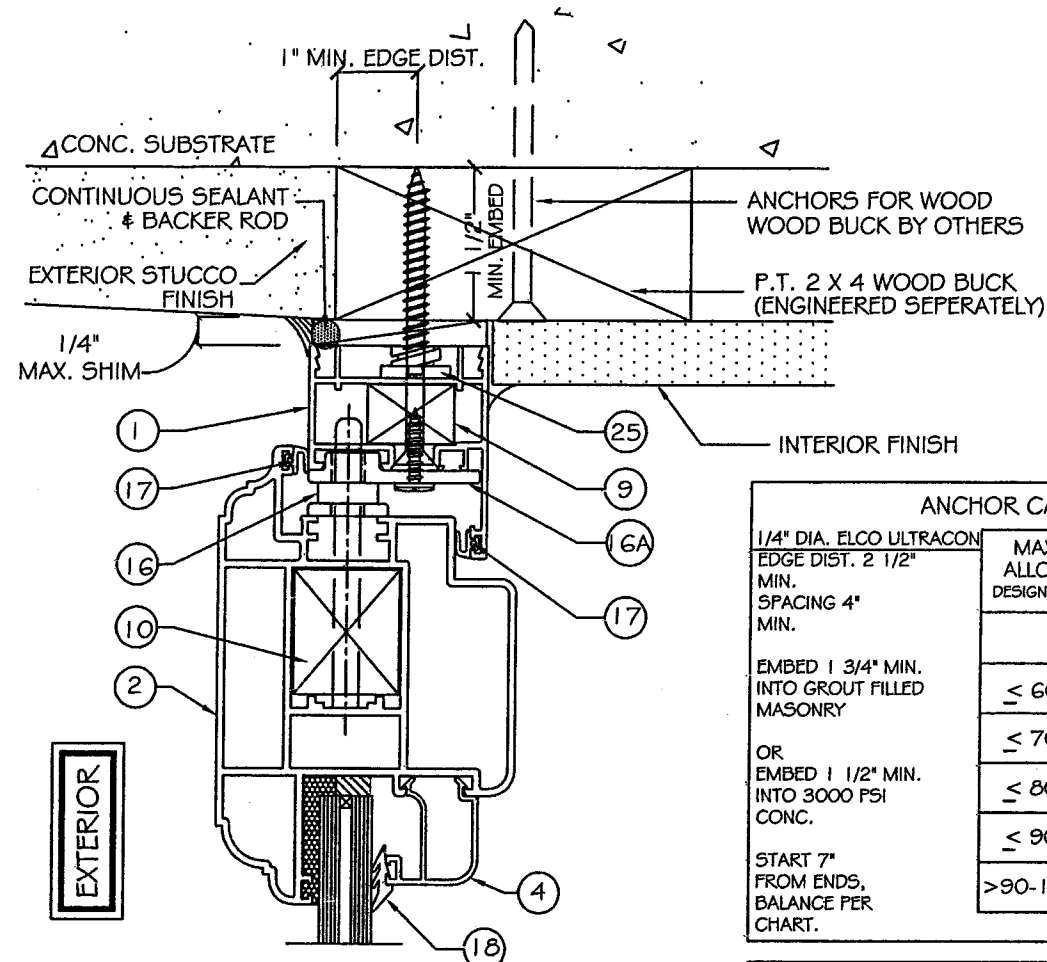




2 HEAD DETAIL (CONC. SUBSTRATE)  
5 SCALE: 1/4" = 1'-0"



3 SILL DETAIL (STANDARD THRESHOLD)  
5 SCALE: 3/16" = 1'-0"



4 HEAD DETAIL (WOOD SUBSTRATE)  
5 SCALE: 3/16" = 1'-0"

ANCHOR CAPACITY CHART (CONCRETE SUBSTRATE)				
1/4" DIA. ELCO ULTRACON EDGE DIST. 2 1/2" MIN. SPACING 4" MIN.	MAXIMUM ALLOWABLE DESIGN PRESSURE	ANCHORS AT JAMBS	QTY. ANCHORS AT INTERLOCK	
			(W/ FRAME INSERT)	
			UP TO 96"	UP TO 120"
EMBED 1 3/4" MIN. INTO GROUT FILLED MASONRY	≤ 60 P.S.F.	15-1/2" C/C	2	3
	≤ 70 P.S.F.	15-1/2" C/C	2	3
OR EMBED 1 1/2" MIN. INTO 3000 PSI CONC.	≤ 80 P.S.F.	15-1/2" C/C	3	3
	≤ 90 P.S.F.	15-1/2" C/C	3	N/A
START 7" FROM ENDS, BALANCE PER CHART.	>90-110 P.S.F.	15-1/2" C/C	3	N/A
SPACED 4" APART				

ANCHOR CAPACITY CHART (STEEL SUBSTRATE)				
#14 P.H.S.M.S. OR #14 SELF DRILLING	MAXIMUM ALLOWABLE DESIGN PRESSURE	ANCHORS AT JAMBS	QTY. ANCHORS AT INTERLOCK	
			(W/ FRAME INSERT)	
			UP TO 96"	UP TO 120"
INTO 1/8" THK. ASTM A36	≤ 60 P.S.F.	15-1/2" C/C	2	3
	≤ 70 P.S.F.	15-1/2" C/C	2	3
START 7" FROM ENDS, BALANCE PER CHART.	≤ 80 P.S.F.	15-1/2" C/C	3	3
	≤ 90 P.S.F.	15-1/2" C/C	3	N/A
	>90-110 P.S.F.	15-1/2" C/C	3	N/A
SPACED 2 1/2" APART				

ANCHOR CAPACITY CHART (WOOD SUBSTRATE)				
#14 P.H.S.M.S. OR #14 WOOD SCREW	MAXIMUM ALLOWABLE DESIGN PRESSURE	ANCHORS AT JAMBS	QTY. ANCHORS AT INTERLOCK	
			(W/ FRAME INSERT)	
			UP TO 96"	UP TO 120"
EMBED 1 1/2" MIN. INTO NO. 2 SYP.	≤ 60 P.S.F.	12" C/C	4	5
	≤ 70 P.S.F.	12" C/C	4	5
START 7" FROM ENDS, BALANCE PER CHART.	≤ 80 P.S.F.	12" C/C	5	6
	≤ 90 P.S.F.	12" C/C	5	N/A
	>90-110 P.S.F.	12" C/C	6	N/A
SPACED 2 1/2" APART				

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Miami Date Product Control  
Division

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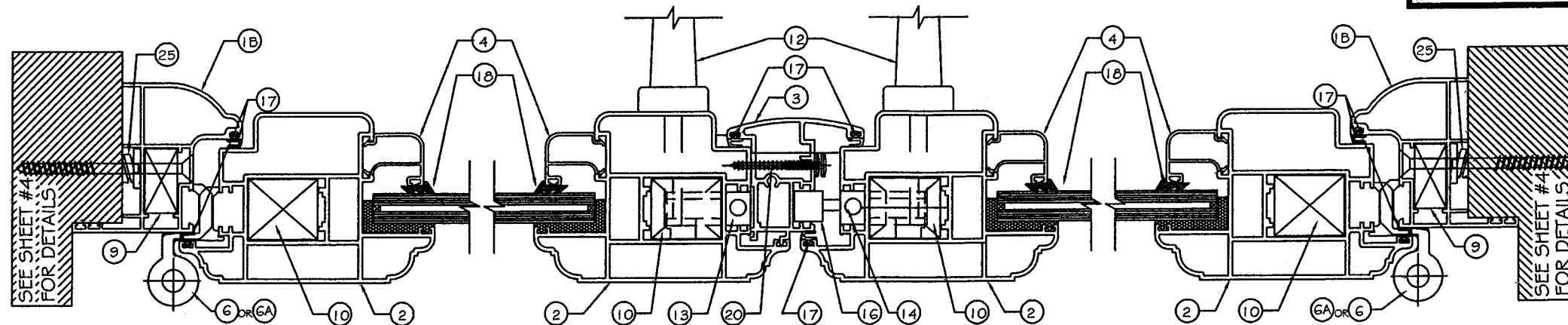
BROMLEY & COOK ENGINEERING, INC.  
STRUCTURAL ENGINEERING  
5490 N.W. 33RD AVENUE, SUITE 100  
FORT LAUDERDALE, FL 33308  
P.E. #43904  
D. SPARKS  
AUG 27 2018

PRODUCT:  
EKU-53  
IMPACT WINDOWS

DATE: 10/02/2009  
SCALE: 3/16" = 1'-0"  
DWG. BY: LA FIN  
CHK. BY:  
DRAWING No.:  
FN-EKU53  
SHEET: 5 OF 10

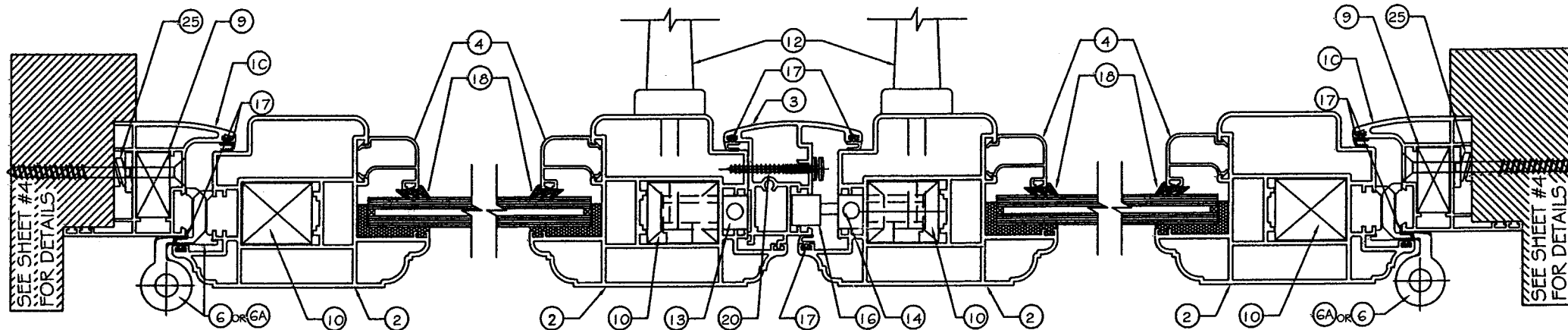
# PROFILE COMBINATIONS

NOTE: PLEASE SEE D.P.  
LIMITATIONS FOR GLAZING  
BEAD ON SHEET 2



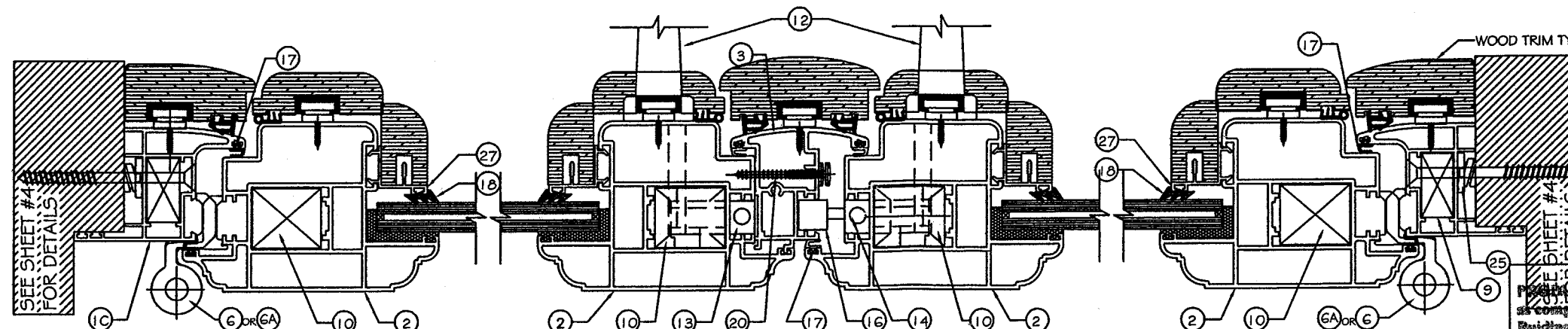
COMBINATION 1  
SCALE: 3/16" = 1'-0"

MAXIMUM P.S.F. @ 96" +110.00 -110.00 DESIGN PRESSURE - WATER INFILTRATION TEST PRESSURE = 13.5 PSF  
MAXIMUM P.S.F. @ 120" +80.00 -80.00 DESIGN PRESSURE - WATER INFILTRATION TEST PRESSURE = 12.0 PSF



COMBINATION 2  
SCALE: 3/16" = 1'-0"

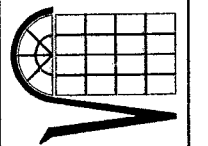
MAXIMUM P.S.F. @ 96" +110.00 -110.00 DESIGN PRESSURE - WATER INFILTRATION TEST PRESSURE = 13.5 PSF  
MAXIMUM P.S.F. @ 120" +80.00 -80.00 DESIGN PRESSURE - WATER INFILTRATION TEST PRESSURE = 12.0 PSF



COMBINATION 2 WITH WOOD TRIM  
SCALE: 3/16" = 1'-0"

MAXIMUM P.S.F. @ 120" +80.00 -80.00 DESIGN PRESSURE - WATER INFILTRATION TEST PRESSURE = 12.0 PSF

LA FINESTRA, L.C.  
ITALIAN WINDOWS & DOORS  
2790 Northwest 104th Court  
Miami, FL 33172-2175  
Phone (305) 599-8093  
Fax (305) 592-4671



BROMLEY-BOOK ENGINEERING, INC.  
STRUCTURAL ENGINEERING SERVICES  
5448 N.W. 33RD AVENUE, SUITE 100  
FORT LAUDERDALE, FL 33308  
AUG 27 2010  
WILLIAM D. BOOK P.E. #43904  
FLORIDA STATE OF

EKU-53  
IMPACT WINDOWS

PRODUCT:

DATE: 10/02/2009

SCALE: AS NOTED

DWG. BY: LA FIN

CHK. BY:

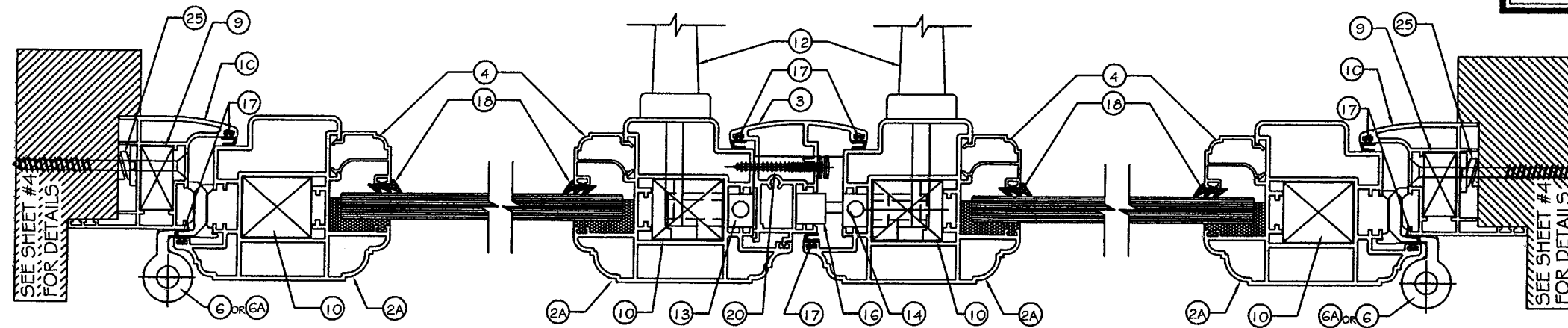
DRAWING No.:  
FN-EKU53

SHEET: 6 OF 10

REVISIONS  
as complying with the Florida  
Building Code  
Acceptance No. 10-0511-01  
Expiration Date FEB. 21, 2013  
By *Manuel Perez*  
Miami Dade Product Control  
Division

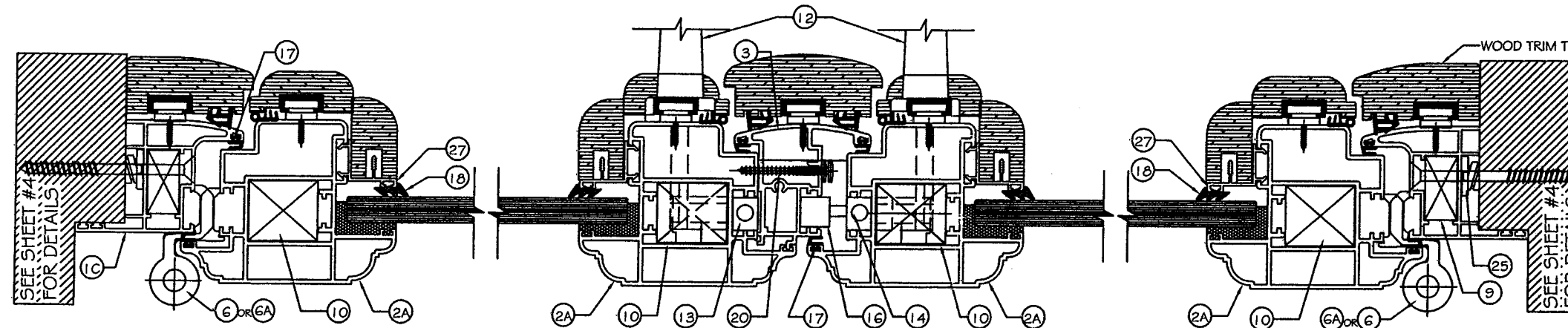
# PROFILE COMBINATIONS

NOTE: PLEASE SEE D.P.  
LIMITATIONS FOR GLAZING  
BEAD ON SHEET 2



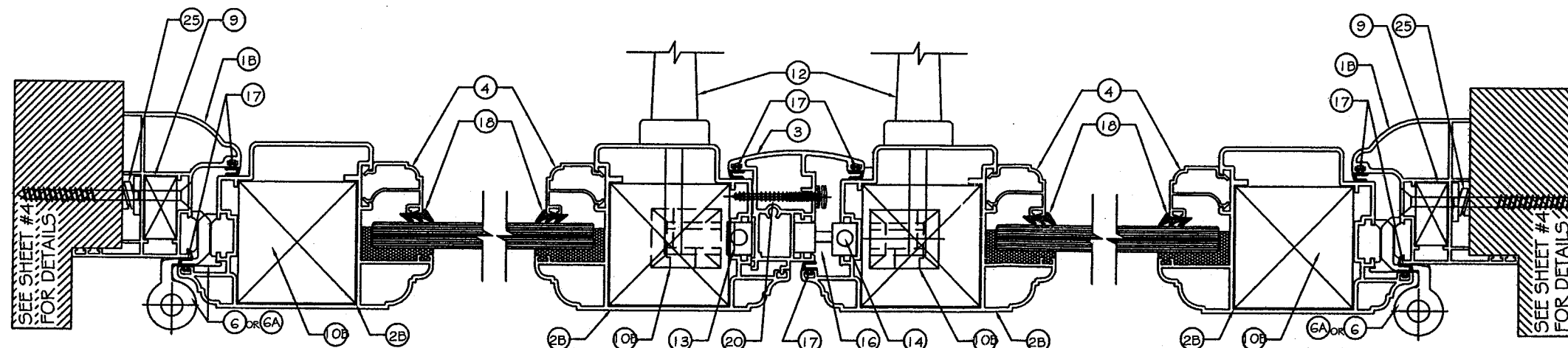
COMBINATION 3  
SCALE: 3/16" = 1'-0"

MAXIMUM P.S.F. @ 96" +110.00 -110.00 DESIGN PRESSURE - WATER INFILTRATION TEST PRESSURE = 13.5 PSF  
MAXIMUM P.S.F. @ 120" +80.00 -80.00 DESIGN PRESSURE - WATER INFILTRATION TEST PRESSURE = 12.0 PSF



COMBINATION 3 WITH WOOD TRIM  
SCALE: 3/16" = 1'-0"

MAXIMUM P.S.F. @ 120" +80.00 -80.00 DESIGN PRESSURE - WATER INFILTRATION TEST PRESSURE = 12.0 PSF



COMBINATION 4  
SCALE: 3/16" = 1'-0"

MAXIMUM P.S.F. @ 96" +110.00 -110.00 DESIGN PRESSURE - WATER INFILTRATION TEST PRESSURE = 13.5 PSF  
MAXIMUM P.S.F. @ 120" +80.00 -80.00 DESIGN PRESSURE - WATER INFILTRATION TEST PRESSURE = 12.0 PSF

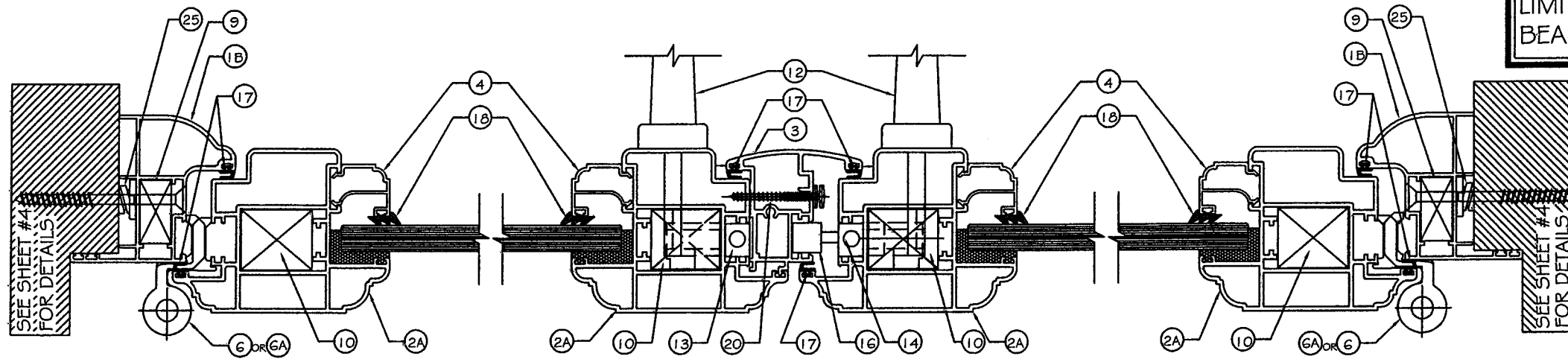
LA FINESTRA, L.C.  
ITALIAN WINDOWS & DOORS  
2790 Northwest 104th Court  
Miami, FL 33172-2175  
Phone (305) 599-8093  
Fax (305) 592-4671

BROOKS ENGINEERING, INC.  
STRUCTURAL ENGINEERING SERVICES  
5440 N.W. 38th Avenue, Suite 100  
Fort Lauderdale, FL 33309  
AUG 27 2012  
WILLIAM D. COLE, P.E. #43904  
Professional Engineer

PRODUCT:  
EKU-53  
IMPACT WINDOWS

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 10-0511.01  
Expiration Date FEB. 27, 2013  
By: *Manuel Perez*  
Miami Date Product Control  
Division

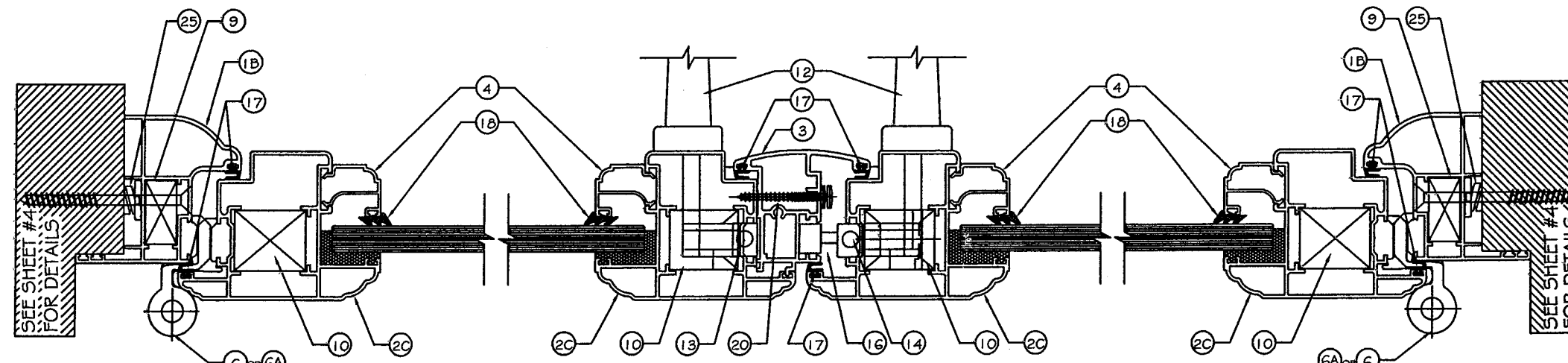
DATE: 10/02/2009  
SCALE: AS NOTED  
DWG. BY: LA FIN  
CHK. BY:  
DRAWING No.:  
FN-EKU53  
SHEET: 7 OF 10



NOTE: PLEASE SEE D.P.  
LIMITATIONS FOR GLAZING  
BEAD ON SHEET 2

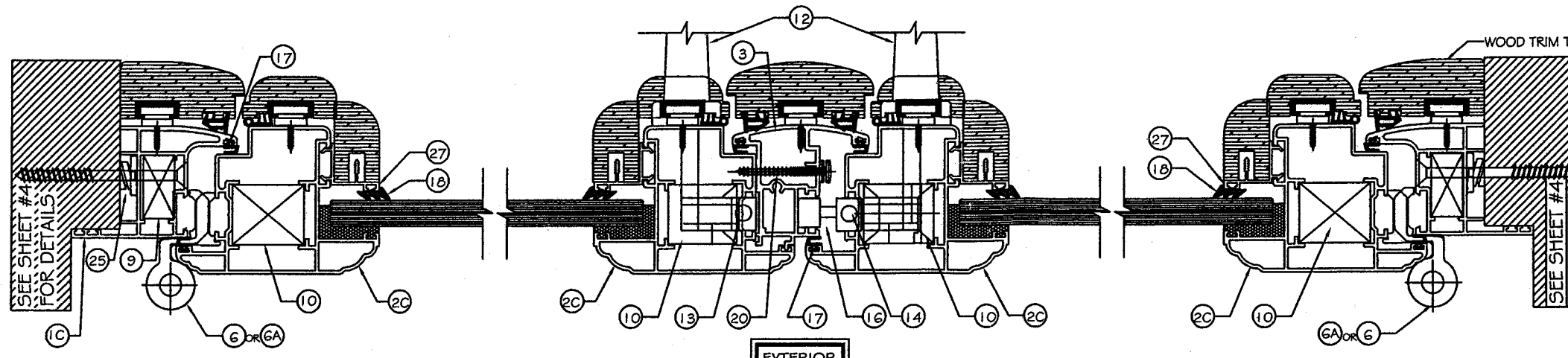
COMBINATION 5  
SCALE: 3/16" = 1'-0"

MAXIMUM P.S.F. @ 96" +110.00 -110.00 DESIGN PRESSURE - WATER INFILTRATION TEST PRESSURE = 13.5 PSF  
MAXIMUM P.S.F. @ 120" +80.00 -80.00 DESIGN PRESSURE - WATER INFILTRATION TEST PRESSURE = 12.0 PSF



COMBINATION 6  
SCALE: 3/16" = 1'-0"

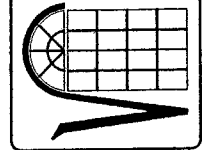
MAXIMUM OF 96" H D.P. = +80 / -80 PSF WATER @ 12.0 PSF



COMBINATION 7 WITH WOOD TRIM  
SCALE: 3/16" = 1'-0"  
NOTE: WOOD TRIM IS OPTIONAL

MAXIMUM OF 96" H D.P. = +80 / -80 PSF WATER @ 12.0 PSF

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Miami, FL 33172-2175  
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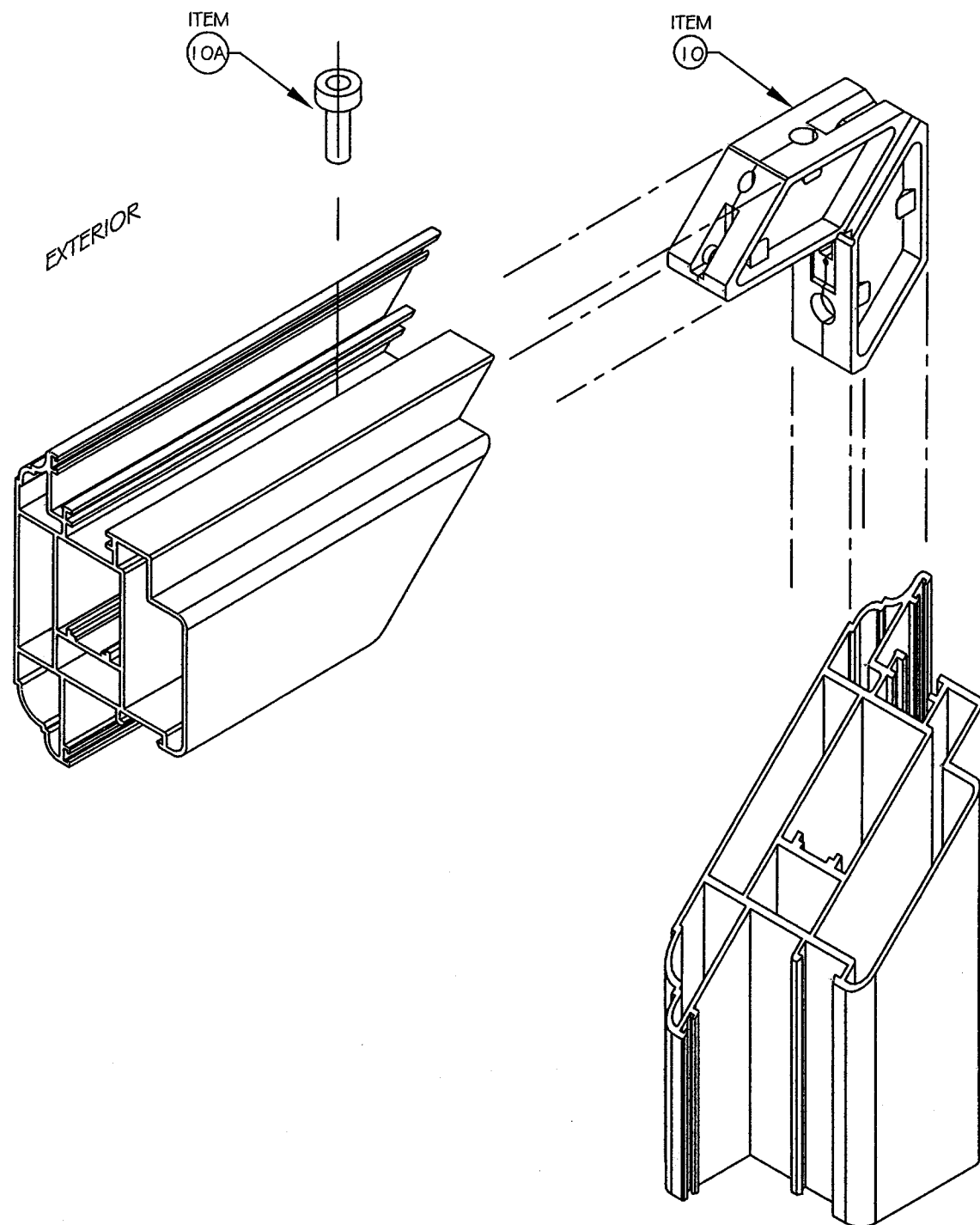


BROMBERG-COOK ENGINEERING, INC.  
STRUCTURAL ENGINEERING SERVICES  
5440 NW 33RD AVENUE, SUITE 100  
FORT LAUDERDALE, FL 33309  
AUG 27 2010  
WILLIAM D. COOK, P.E. #45904  
FLORIDA PROFESSIONAL ENGINEER

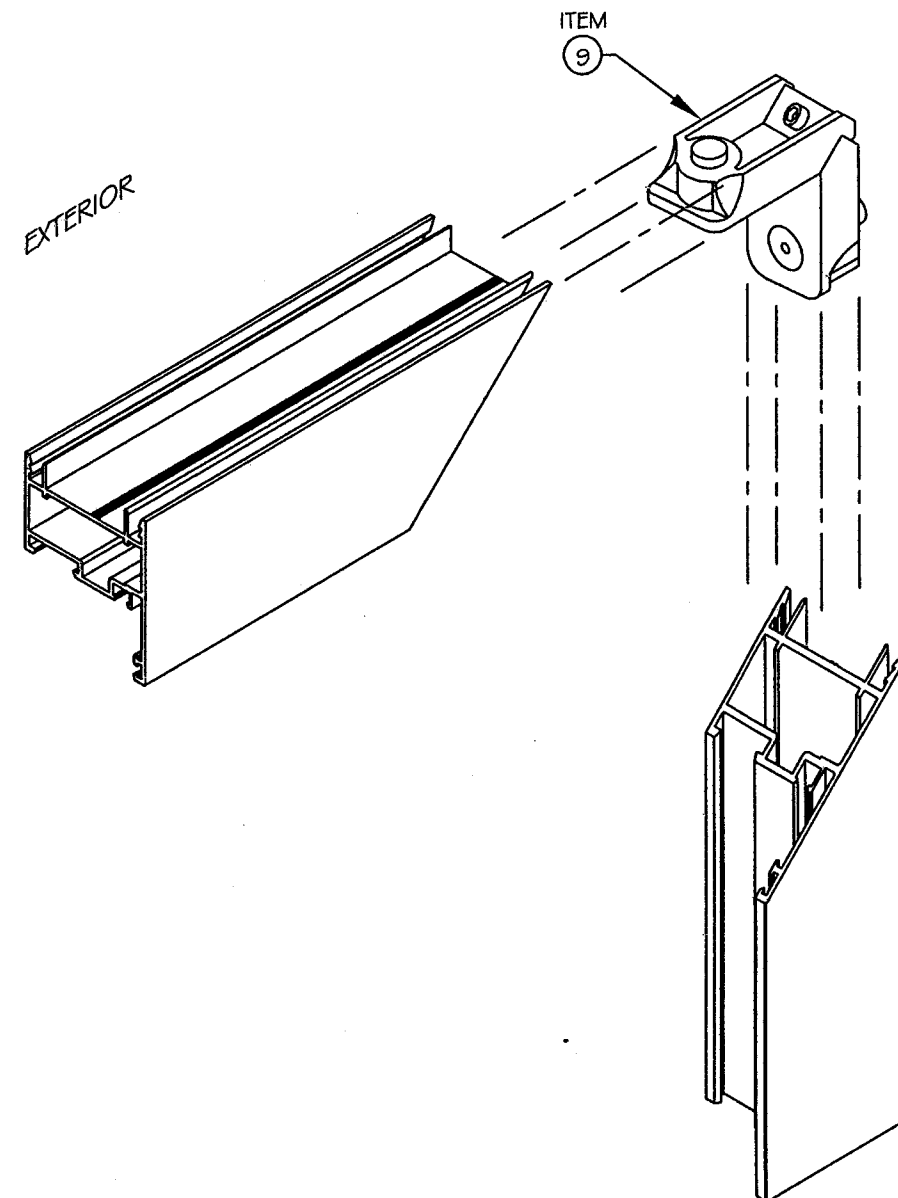
PRODUCT:  
EKU-53  
IMPACT WINDOWS

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 10-0511.01  
Expiration Date FEB. 27, 2013  
By *Mmanuel Pore*  
Miami Dade Product Control  
Division

DATE: 10/02/2009  
SCALE: AS NOTED  
DWG. BY: LA FIN  
CHK. BY:  
DRAWING No.:  
FN-EKU53  
SHEET: 8 OF 10



WINDOW PANEL CORNER DETAIL



WINDOW FRAME CORNER DETAIL

NOTE: SEAL JOINTS  
WITH POLYURETHANE  
SEALANT DURING  
ASSEMBLY

PRODUCT REVISED  
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Building Code  
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Expiration Date FEB. 27, 2013  
By Maurice Perry  
Miami Dade Product Control  
Division

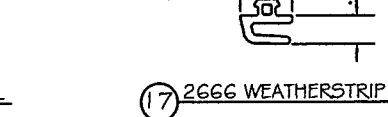
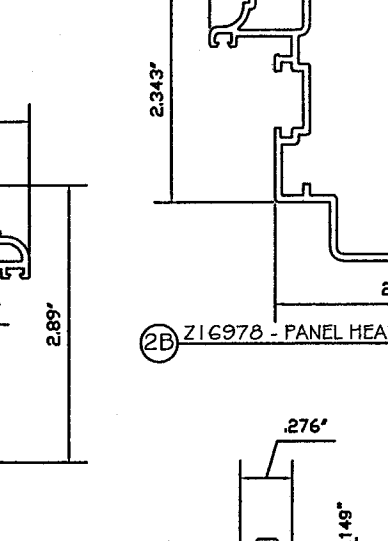
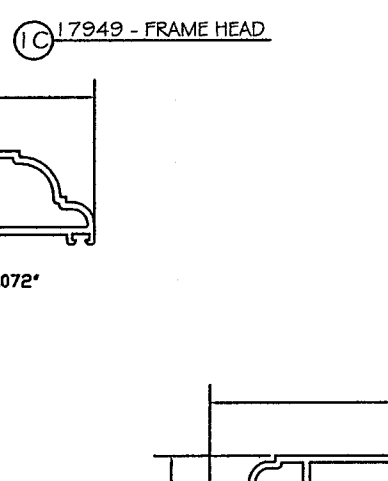
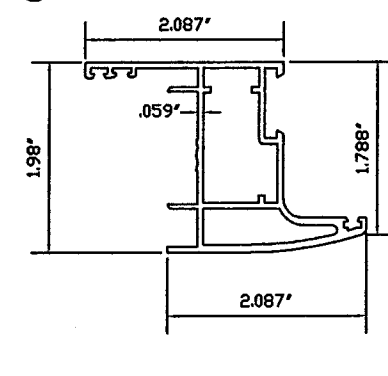
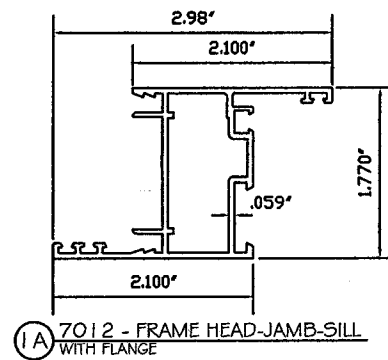
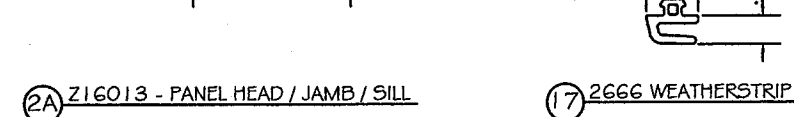
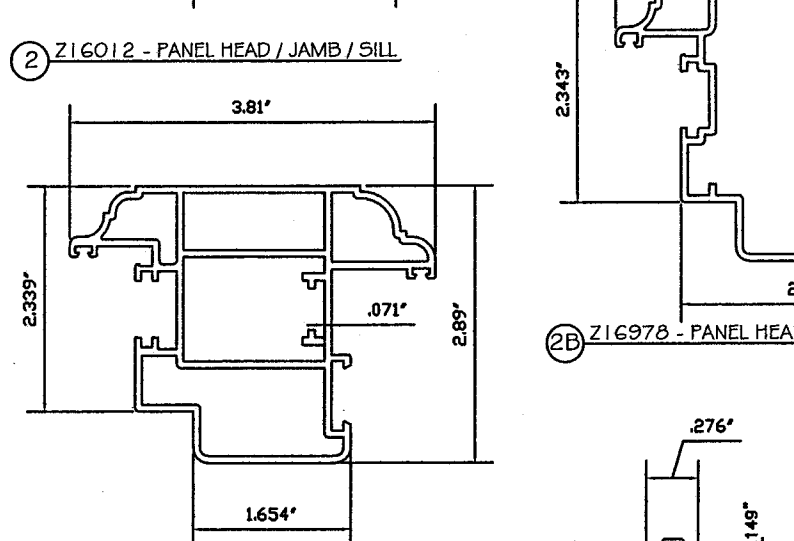
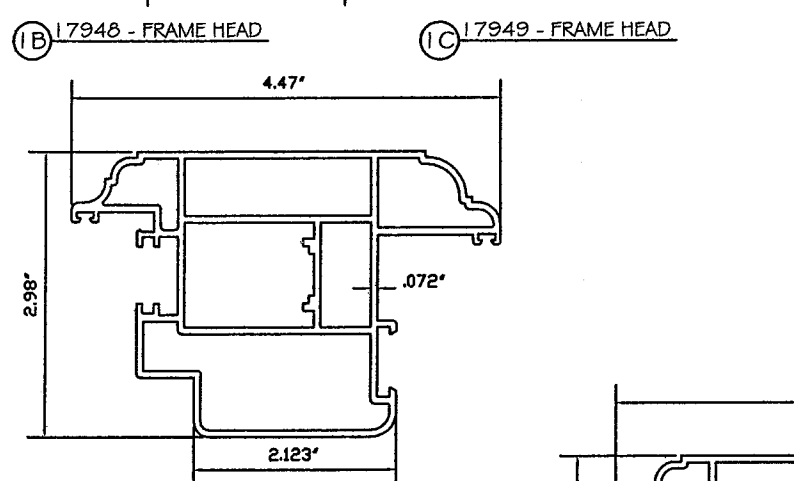
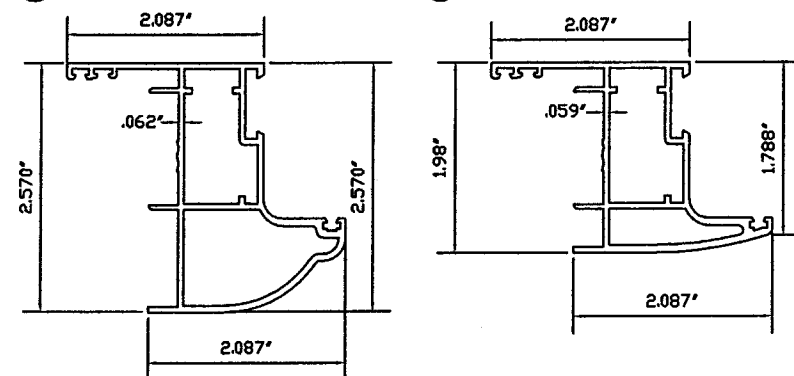
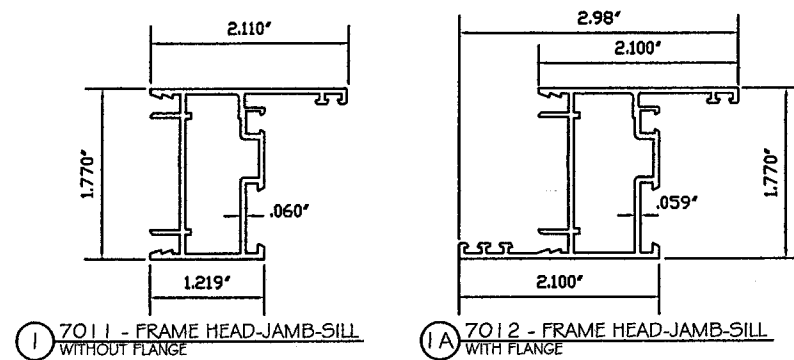
**LA FINESTRA, L.C.**  
ITALIAN WINDOWS & DOORS  
2790 Northwest 104th Court  
Miami, FL 33172-2175  
Phone (305) 599-8093  
Fax (305) 592-4671

**BROMLEY-COOK ENGINEERING, INC.**  
STRUCTURAL ENGINEERING SERVICES  
5440 N.W. 3368 AVENUE, SUITE 100  
FORT LAUDERDALE, FL 33309  
AUG 27 2013  
WILLIAM D. COOK, P.E. #45802  
SEAL OF PROFESSIONAL ENGINEER

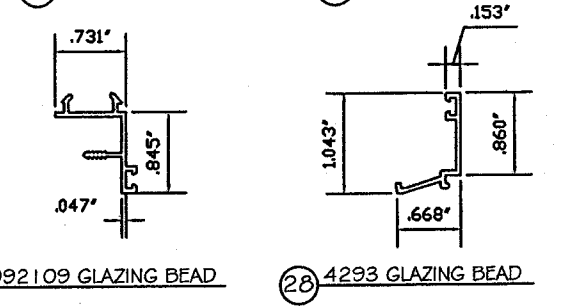
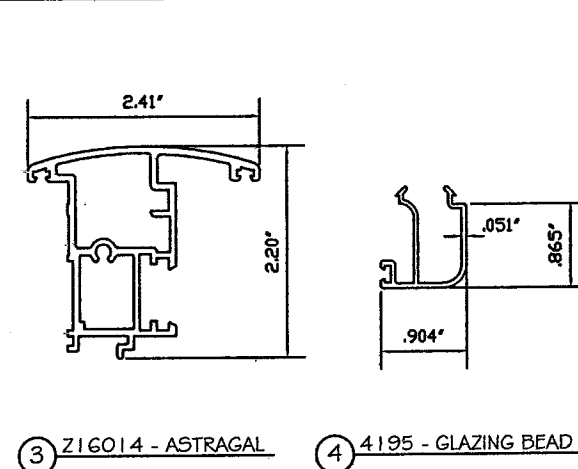
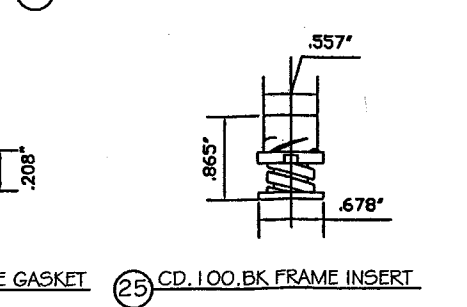
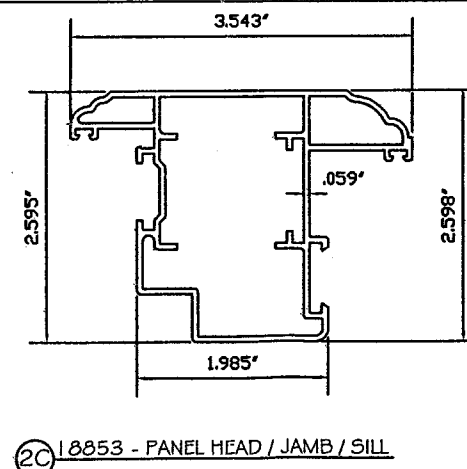
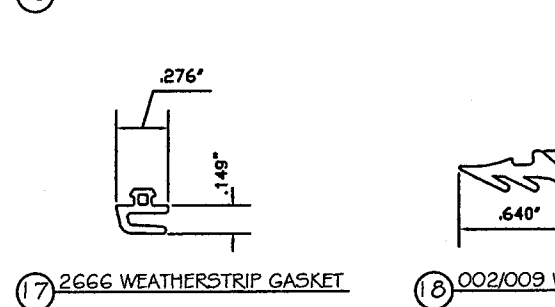
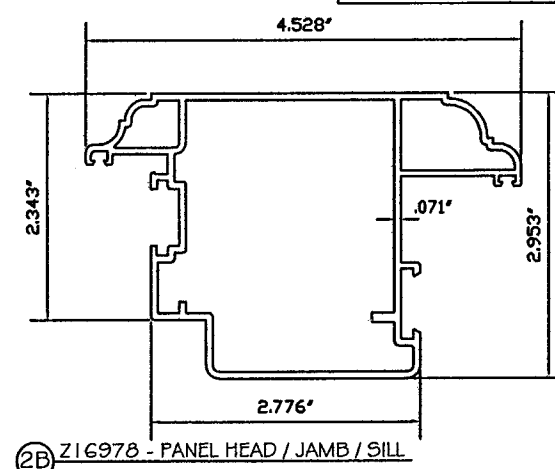
PRODUCT:  
**EKU-53  
IMPACT WINDOWS**

DATE: 10/02/2009  
SCALE: AS NOTED  
DWG. BY: LA FIN  
CHK. BY:  
DRAWING No.:  
FN-EKU53  
SHEET 9 OF 10





BILL OF MATERIALS						
ITEM	PART No.	QUANTITY	DESCRIPTION	MATERIAL	LOCATION	MANUFACTURER
1	7011	4	FRAME HEAD/JAMB/RESIDENTIAL SILL	AL.AL. -6060-T5	WINDOW FRAME	PROFILATI SpA
1A	7012	4	FRAME HEAD/JAMB/RESIDENTIAL SILL	AL.AL. -6060-T5	WINDOW FRAME	PROFILATI SpA
1B	17948	4	FRAME HEAD/JAMB/RESIDENTIAL SILL	AL.AL. -6063-T5	WINDOW FRAME	PROFILATI SpA
1C	17949	4	FRAME HEAD/JAMB/RESIDENTIAL SILL	AL.AL. -6063-T5	WINDOW FRAME	PROFILATI SpA
2	Z16012	4	PANEL HEAD/JAMB/SILL	AL.AL. -6060-T5	WINDOW FRAME	PROFILATI SpA
2A	Z16013	4	PANEL HEAD/JAMB/SILL	AL.AL. -6063-T5	WINDOW FRAME	PROFILATI SpA
2B	Z19678	4	PANEL HEAD/JAMB/SILL	AL.AL. -6063-T5	WINDOW FRAME	PROFILATI SpA
2C	Z18853	4	PANEL HEAD/JAMB/SILL	AL.AL. -6063-T5	WINDOW FRAME	PROFILATI SpA
3	Z16014	1	ASTRAGAL	AL.AL. -6060-T5	INACTIVE LEAF PANEL JAMB	PROFILATI SpA
4	4195	4/VENT	GLAZING BEAD	AL.AL. -6060-T5	PANEL PERIMETER	PROFILATI SpA
5	6009	1	COMMERCIAL THRESHOLD	AL.AL. -6060-T5	THRESHOLD	PROFILATI SpA
6	A8221	6/VENT	4\" BUTTHINGES	AL.AL. -6060-T5	PANEL AND FRAME JAMBS	MASTER
6A	160/12	6/VENT	4\" BUTTHINGES	AL.AL. -6060-T5	PANEL AND FRAME JAMBS	CASALI
7	N/A	2 EA. LITE OF GLASS	1/4\" x 1 1/2\" x 3\" LG. SETTING BLOCK	EXTRUDED SILICONE	6\" FROM ENDS	GENERIC
9	0409	1 EA. CORNER	FRAME CORNER KEY	CAST ALUMINUM	FRAME CORNERS	MONTECELLI
10	5004	1 EA. CORNER	PANEL CORNER KEY	CAST ALUMINUM	PANEL CORNERS	MONTECELLI
10A	001	1 EA. CORNER	PANEL CORNER KEY	EXT. ALUMINUM	PANEL CORNERS	PROFILATI SpA
10B	002	1 EA. CORNER	PANEL CORNER KEY	EXT. ALUMINUM	PANEL CORNERS	PROFILATI SpA
12	SERIES 800	1/VENT	OPERATING HANDLE	ALUMINUM	EACH PANEL JAMB	PASINI
13	1025	2	TRANSMISSION MOVEMENT DEVISE	ZAMA/S.S.	PANEL JAMB ASTRAGAL SIDE ONLY	GSG
14	1286		5-POINT LOCKING SYSTEM	S.S.	ACTIVE PANEL	AMESBURY
15	FB-1300-20-SS	2	FLUSH BOLT	S.S.	ACTIVE PANEL	SULLIVAN
16	4031	AS SHOWN	MUSHROOM HEAD AND KEEPERS	S.S./ALUMINUM	PANEL JAMB AT TOP & BOTTOM	GSG/LAFIN
16A	CD-MPK-100-SS		MULTIPOINT KEEPER KIT	S.S./ALUMINUM	PANEL JAMB AT TOP & BOTTOM	SULLIVAN
17	2666	AS REQ'D.	WEATHERSTRIP GASKET	EPDM	FRAME JAMB/ASTRAGAL/FRAME PANEL	PROFILATI SpA
18	002/009	AS REQ'D.	WEDGE GASKET	EPDM	PANEL GLAZING PERIM. (INTERIOR)	PROFILATI SpA
19	---	2/EACH	# 10 x 2 1/2\" FH.SMS. (ASSEMBLY)	PLATED STEEL	FLUSHBOLT STRIKE PLATE	---
20	---	SEE ELEV.	# 8 x 1 1/2\" FH.SMS. (ASSEMBLY)	PLATED STEEL	ASTRAGAL (SINGLE ROW)	---
22	---	2 EA. CORNER	#14 X 3/4\" FH. SMS. (PANEL ASS'Y)	PLATED STEEL	PANEL CORNERS	---
23	895/995	CONTINUOUS	STRUCTURAL SILICONE	SILICONE	PERIMETER GLASS TO METAL	PECORA OR DOW CORNING
25	CD.100.BK	AS REQ'D.	FRAME INSERT	ALLUM/NYLON	FRAME PERIMETER (SINGLE ROW)	SULLIVAN
26	SDG.SP.316	AS REQ'D.	STRIKE PLATE	S.S.	ALONGSIDE FRAME (WHERE LOCK MEETS)	SULLIVAN
27	092109	4/VENT	GLAZING BEAD	AL.AL. -6060-T5	PANEL PERIMETER	PROFILATI SpA
28	4293	4/VENT	GLAZING BEAD	AL.AL. -6060-T5	PANEL PERIMETER	PROFILATI SpA
29	2167/2168	2	FLUSH BOLT	ZAMA	INACTIVE PANEL	GSG



NOT USED: 5, 6, 8, 11, 21, 24

PRODUCT REVISED as complying with the Florida Building Code Acceptance No. 10-0511.01 Expiration Date FEB. 27, 2013 By: [Signature] Miami Code Product Control Division

LA FINESTRA, L.C.  
ITALIAN WINDOWS & DOORS  
2790 Northwest 104th Court  
Miami, FL 33172-2175  
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Fax (305) 592-4671

BROMLEY & COOK ENGINEERING, INC.  
STRUCTURAL ENGINEERING SERVICES  
5440 N.W. 33RD AVENUE, SUITE 109  
FORT LAUDERDALE, FL 33309  
AUG 27 2011  
WILLIAM D. COOK P.E. #43604  
FLORIDA STATE CH. #2609

PRODUCT: EKU-53  
IMPACT WINDOWS

DATE: 10/02/2009  
SCALE: AS NOTED  
DWG. BY: LA FIN  
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DRAWING No.: FN-EKU53  
SHEET: 10 OF 10